

**DECLARATION FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

the specification of which is attached hereto unless the following box is checked:

X was filed on June 28, 2001 as United States Application Number \_\_\_\_\_  
or International Application Number to be assigned and was amended on \_\_\_\_\_  
(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

|                              |                     |
|------------------------------|---------------------|
| Prior Foreign Application(s) | Priority Is Claimed |
|------------------------------|---------------------|

|                       |                  |                      |          |
|-----------------------|------------------|----------------------|----------|
| <u>to be assigned</u> | <u>Singapore</u> | <u>28 /6 /2001</u>   | <u>X</u> |
| Number                | Country          | Day/Month/Year Filed |          |

|        |         |                      |       |
|--------|---------|----------------------|-------|
| _____  | _____   | _____                | _____ |
| Number | Country | Day/Month/Year Filed |       |

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

|                      |               |
|----------------------|---------------|
| _____                | _____         |
| (Application Number) | (Filing Date) |

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in

37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

---

(Application Number)      (Filing Date)      (Status--patented, pending, abandoned)

---

(Application Number)      (Filing Date)      (Status--patented, pending, abandoned)

I/we hereby appoint **Practitioners at Customer Number 007470** as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Address all correspondence to **Customer No. 007470**

Telephone No.: 212-819-8200; Facsimile No.: 212-354-8113

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believe to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor (first name, middle initial, last name): Teng Pin Poo

Sole or first inventor's signature \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Apt Blk 44, Bedok South Road, #11-763, Singapore 460044, Singapore

Citizenship: Malaysian, Singapore Permanent Resident

Post Office Address: Apt Blk 44, Bedok South Road, #11-763, Singapore 460044, Singapore

---

X Additional inventors are named on the page(s) attached hereto.

Figure 1 consists of 12 histograms arranged in a single column. Each histogram represents the frequency distribution of the number of non-zero elements in the vector  $x$  for a specific value of  $n$ . The x-axis for all histograms is labeled 'x' and ranges from 0 to 120. The y-axis is labeled 'Frequency' and ranges from 0 to 100. The histograms are for  $n = 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120$ . As  $n$  increases, the distribution of non-zero elements shifts to the right, indicating that more elements in the vector  $x$  are non-zero for larger  $n$ . The peak frequency of the distributions decreases as  $n$  increases.

Second inventor's signature \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Apt Blk 322, Bukit Batok Street 33, #03-04, Singapore 650322

Citizenship: Malaysian

Post Office Address: Apt Blk 322, Bukit Bakot Street 33, #03-04, Singapore 650322

## ASSIGNMENT

WHEREAS, WE, **Poo Teng Pin**, residing at Apt Blk 44 Bedok South Road, #11-763, Singapore 460044, Singapore, citizen of Singapore; and **Lim Lay Chuan**, residing at Apt Blk 322, Bukit Batok Street 33, #03-04, Singapore, (hereinafter "ASSIGNORS") are the inventors of the invention entitled **A PORTABLE DEVICE HAVING BIOMETRICS-BASED AUTHENTICATION CAPABILITIES** for which we have executed an application for a Patent of the United States

\_\_\_\_\_ which is executed on even date herewith

X which was filed on June 28, 2001 as United States Patent Application Number \_\_\_\_\_ or PCT International Application Number to be assigned and was amended on \_\_\_\_\_ (if applicable).

and WHEREAS, S-COM SYSTEM (S) Pte Ltd. (hereinafter "ASSIGNEE"), a Singapore Corporation having a business address at 30 Loyang Way, #07-13/14/15, Loyang Industrial Estate, Singapore 508769 is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, WE, the said ASSIGNOR(s), have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries. In the event that I am not an employee of ASSIGNEE at the time such aid is required, I agree to render such aid in return for an hourly rate of pay no greater than twice my equivalent regular hourly pay as it stood on the date of my departure from ASSIGNEE.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal the day and year opposite my signature.

Date: \_\_\_\_\_ L.S.  
Teng Pin Poo

In the State of \_\_\_\_\_, county of \_\_\_\_\_ on \_\_\_\_\_, before me \_\_\_\_\_, Notary Public, personally appeared Teng Ping Poo, personally known to me/proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

\_\_\_\_\_  
Notary Public

[illegible]

Lay Chuan Lim

WITNESS my hand and official seal

Notary Public